

ESWALModel THMSocialNetwork (

/*-----PARAMETERTYPEN----- */

Parametertype DEVICE
Parametertype PROFILEID
Parametertype String
Parametertype Integer

/*-----DATENTYPEN----- */

Datatype INT
Datatype VARCHAR
Datatype DATE
Datatype TIMESTAMP

/* ANMERKUNG zu ID's in den einzelnen Entitäten :

* - Alle Attribute mit dem Namen 'id' sind primary keys der jeweiligen
Entität

* - Alle Attribute, die '...id' im Namen haben sind primary keys oder
foreign keys.

*/

/*-----ENTITÄTEN----- */

Entity THM_profiles (
 attribute INT id
 attribute VARCHAR username
 attribute VARCHAR password
 attribute VARCHAR email
 attribute VARCHAR surname
 attribute VARCHAR firstname
 attribute DATE birthday
 attribute VARCHAR location
 attribute VARCHAR messenger
 attribute TIMESTAMP lastvisit
 attribute VARCHAR securityquestion
 attribute VARCHAR securityanswer
 attribute VARCHAR profiledescription
 attribute DATE registerdate

***Entity** THM_images (1,1)

)

Entity THM_contacts (
 attribute INT id
 attribute DATE adddate
 attribute INT visibility

***Entity** THM_profiles (-1,1)

***Entity** THM_profiles (-1,1)

)

Entity THM_events (
 attribute INT id
 attribute VARCHAR name
 attribute VARCHAR eventdescription
 attribute TIMESTAMP start
 attribute TIMESTAMP end
 attribute VARCHAR location

```

        *Entity THM_profiles (1,1) /*Refernz : Is Creator */
    )

Entity THM_events_map (
    attribute INT id
    attribute INT participationstatus

    *Entity THM_profiles (-1,1)
    *Entity THM_events (-1,1)
)

Entity THM_blacklist (
    attribute INT id
    attribute VARCHAR reason

    *Entity THM_profiles (-1,1)
    *Entity THM_profiles (-1,1)
)

Entity THM_messages (
    attribute INT id
    attribute VARCHAR message
    attribute TIMESTAMP receiveddate
    attribute VARCHAR messagetype
)

Entity THM_messages_map (
    attribute INT id
    attribute VARCHAR status /*Statusvalue = inbox, sent, draft , ... */

    *Entity THM_profiles (-1,1)
    *Entity THM_messages (-1,1)
)

Entity THM_visibilitylevels (
    attribute INT id
    attribute INT level

    *Entity THM_profiles (1,1)
)

Entity THM_images (
    attribute INT id
    attribute VARCHAR name
    attribute DATE capturedate
    attribute VARCHAR imagedescription
    attribute VARCHAR imagetype
)

Entity THM_images_map (
    attribute INT id

    *Entity THM_profiles (-1,1)
    *Entity THM_groups (-1,1)
    *Entity THM_events (-1,1)
    *Entity THM_feeds (-1,1)
    *Entity THM_images (-1,1)
)

Entity THM_comments(
    attribute INT id

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        attribute VARCHAR content
        attribute INT THM_images_mapid
    )

Entity THM_feeds (
    attribute INT id
    attribute VARCHAR name
    attribute DATE creationdate
    attribute VARCHAR content
    attribute INT assessment

    *Entity THM_profiles (-1,1)
    *Entity THM_groups (-1,1)
    *Entity THM_events (-1,1)
)

Entity THM_groups (
    attribute INT id
    attribute VARCHAR name
    attribute DATE creationdate
    attribute VARCHAR grouptype
    attribute VARCHAR groupdescription
    attribute INT pictureid
    attribute VARCHAR organisation

    *Entity THM_groups (-1,1)
)

Entity THM_groups_map (
    attribute INT id
    attribute DATE entrydate

    *Entity THM_groups (-1,1)
    *Entity THM_profiles (-1,1)
)

/*-----FRONTEND-SECTION----- */

FrontendSection THM_Frontend (

    /* ----- Error-Block----- */
    Page RegistrationError (
        pagetype = static
    )

    Page LoginError (
        pagetype = static
    )

    Page SecurityQuestionError (
        pagetype = static
    )
    /*-----SocialNetwort - Frontend - Pages----- */

    /*erledigt */
    Page Conversation (
        pagetype = dynamic (
            pagestyle = index
            *Entity THM_profiles
            *Entity THM_messages

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        *Entity THM_messages_map
    )
)

/*erledigt */
/*Diese Seite wird nur angezeigt wenn Visitor = Owner ist */
Page ConversationList (
    pagetype = dynamic (
        pagestyle = index
        *Entity THM_profiles
        *Entity THM_messages_map
    )

    Link internal ConversationRef ( *Page Conversation context
(conversationPartner="profileid" ) )
)

/*erledigt */
Page Group (
    pagetype = dynamic (
        pagestyle = detail
        *Entity THM_groups
        *Entity THM_images
        *Entity THM_images_map
        *Entity THM_feeds
        *Entity THM_events
        *Entity THM_events_map
        *Entity THM_profiles
        *Entity THM_groups_map
    )

    Link internal ContactListRef(*Page ContactList context (
profileid= "currentprofile" BehaviourType = "behaviour"
SearchKey="clickedbehavior"))
    Link internal EventCreateEditRef( *Page EventCreateEdit context
(groupid= "currentgroup"))
    Link internal EventShowRef ( *Page EventShow context ( eventid
= "selectedevent"))
    Link internal UserIndexRef (*Page UserIndex context (profileid
= "selectedcontact"))
    Link internal UploadImageRef (*Page UploadImage context
(profileid = "currentprofile"groupid = "currentgroup"))
)

/*erledigt */
Page GroupsList (
    pagetype = dynamic (
        pagestyle = index
        *Entity THM_groups_map
        *Entity THM_groups
        *Entity THM_images
    )

    Link internal GroupRef ( *Page Group context( groupid=
"selectegroup" ) )
)

/*erledigt */
Page UploadImage (

```

```

        pagetype = dynamic (
            pagestyle = detail
            *Entity THM_images
            *Entity THM_images_map
        )
    )

/*erledigt */
Page Image (
    pagetype = dynamic (
        pagestyle = detail
        *Entity THM_images
        *Entity THM_comments
    )
)

/*erledigt */
Page ImageGallery (
    pagetype = dynamic (
        pagestyle = index
        *Entity THM_images
        *Entity THM_images_map
        *Entity THM_comments
    )

    Link internal ImageRef (*Page Image context
(imageid="selectedimage"))
    Link internal UploadImageRef ( *Page UploadImage context
(galleryid="selectedgallery"))
)

/*erledigt */
Page ImageGalleryList (
    pagetype = dynamic (
        pagestyle = index
        *Entity THM_images_map
        *Entity THM_images
    )

    Link internal ImageGalleryRef ( *Page ImageGallery context (
galleryid= "selectedgallery" ))
)

/*erledigt */
/*Wird nur angezeigt wenn der Current User auch der Creator des
jeweiligen Events ist .*/
/*Den Creator kann man aus der Entität THM_Events ablesen --> beide
Kommentare sind
nur relevant für Editieren , nicht für neu Anlegen */
Page EventCreateEdit (
    pagetype = dynamic (
        pagestyle = index
        *Entity THM_events
        *Entity THM_events_map
        *Entity THM_images
        *Entity THM_images_map
    )
)

/*erledigt */

```

```

Page EventShow (
    pagetype = dynamic (
        pagestyle = index
        *Entity THM_events
        *Entity THM_images
        *Entity THM_images_map
    )
)

/*erledigt */
Page MessageList (
    pagetype = dynamic (
        pagestyle = index
        *Entity THM_messages_map
    )
)

/*erledigt */
/*Wird nur angezeigt wenn der Current User auch der Owner des
jeweiligen Profils ist */
Page UserProfileEdit (
    pagetype = dynamic (
        pagestyle = detail
        *Entity THM_profiles
        *Entity THM_images /*Upload des Profilbildes */
    )
    Link internal UploadImageRef ( *Page UploadImage context (
profileid = "currentprofile" ))
)

/*erledigt*/
Page ContactList (
    pagetype = dynamic (
        pagestyle = index
        *Entity THM_contacts
        *Entity THM_profiles
        *Entity THM_images
    )
    Link internal UserIndexRef (*Page UserIndex context (profileID
= "selectedcontact"))
)

/*erledigt */
/*Alle Informationen über User */
Page UserProfile (
    pagetype = dynamic (
        pagestyle = detail
        *Entity THM_profiles
        *Entity THM_contacts /*je nachdem wer die Seite aufruft
werden andere Inhalte generiert (Sichtbarkeiten) */
        *Entity THM_images
        *Entity THM_images_map
    )

    Link internal UserProfileEditRef( *Page UserProfileEdit context
(currentuser= "profileid") )
)
/*erledigt*/
/*Chat wird nicht protokolliert (ist flüchtig) */

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Page Chat(
    pagetype = dynamic (
        pagestyle = detail
        *Entity THM_profiles
    )
)

/*erledigt */
Page Message(
    pagetype = dynamic (
        pagestyle = detail
        *Entity THM_messages
    )
)

/*erledigt */
Page MessageList(
    pagetype = dynamic (
        pagestyle = index
        *Entity THM_messages_map
        *Entity THM_messages
    )
    Link internal MessageRef(*Page Message context (messageid=
"selectedmessage" ))
)

/*erledigt */
/*Wenn Owner == Visitor --> dann kann der Owner die Messages sehen */
Page Mailbox(
    pagetype = dynamic (
        pagestyle = index
        *Entity THM_messages_map
    )

    Link internal MessageListRef(*Page MessageList context (
proileid= "currentprofile" type1= "clickedmessagetype" ) )
)

/*Navigation */
Page UserIndex (
    pagetype = dynamic (
        pagestyle = index
        /*Es wird auf alle Maps referenziert damit die Anzahl
die Anzahl der Neuigkeiten in der jeweiligen Map zu sehen ist */
        *Entity THM_profiles
        *Entity THM_events_map
        *Entity THM_groups_map
        *Entity THM_messages_map
        *Entity THM_feeds
        /*Auflistung der Kontakte (z.B. in Messenger), Kontakte
enthalten auch Daten über die Visibilty */
        *Entity THM_contacts
        *Entity THM_images
    )

    /* Anzeigen der eigenen Kontakte */

```

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        Link internal ContactListRef(*Page ContactList context
(profileid= "currentuser" behaviourtype = "clickedbehaviour"
searchkey="searchcontact"))
        Link internal ImageGalleryListRef(*Page ImageGalleryList
context (profileid = "currentuser"))
        Link internal UserProfileRef(*Page UserProfile context
(profileid= "currentuser"))
        /* Wenn Vorhaben Erzeugung eines Events ist, dann wird
"selectedevent" leer gelassen, sonst muss das zu bearbeitende Event angegeben
werden */
        Link internal EventCreateEditRef(*Page EventCreateEdit context
(behaviour="createoredit" eventid= "selectedevent"))
        Link internal EventShowRef ( *Page EventShow context (eventid=
"selectedevent") )
        Link internal GroupsListRef(*Page GroupsList context (profileid
= "currentuser"))
        Link internal MessagesRef(*Page MessageList context (profileid=
"currentuser" messagetype="selectedtype"))
        Link internal ChatRef ( *Page Chat context ( profileid=
"partner") )
        Link internal ConversationListRef ( *Page ConversationList
context (profileid= "currentuser") )
        Link internal MailboxListRef ( *Page Mailbox context
(profileid= "currentuser"))
        Link internal EventCreateEditRef ( *Page EventCreateEdit
context (profileid= "currentuser"))
        Link internal EventShowRef ( *Page EventShow context ( eventid
= "selectedevent"))

    )

    /*erledigt */
    Page UserRegistration (
        pagetype = dynamic (
            pagestyle = detail
            *Entity THM_profiles
        )
        Link internal UserIndexRef (*Page UserIndex context (profileid=
"currentuser"))
        Link internal RegistrationErrorRef (*Page RegistrationError
simple)
    )

    /*erledogt */
    /* Sicherheitsfrage */
    Page SecurityQuestion (
        pagetype = dynamic (
            pagestyle = detail
            *Entity THM_profiles
        )
        Link internal UserIndexRef (*Page UserIndex context (profileid=
"currentuser"))
        Link internal SecurityQuestionErrorRef (*Page
SecurityQuestionError simple)

    )

    /*erledigt */
    /*Startseite */

```



```

    Page Index (
        pagetype = dynamic (
            pagestyle = detail
            *Entity THM_profiles
        )
        Link internal UserIndexRef (*Page UserIndex context (profileid=
"currentuser"))
        Link internal LoginErrorRef (*Page LoginError simple)
        Link internal RegistrationRef (*Page UserRegistration simple)
        Link internal SecurityQuestionRef (*Page SecurityQuestion
simple)
    )
)

/*noch ergänzen */
BackendSection THM_Backend (
    Page Backend_Index (
        pagetype = static
    )
)
)

```